

E 28416-66 EWT(1)/T JK

ACC NR: AP6019094

(A,N)

SOURCE CODE: UR/0346/66/000/002/0037/0039

AUTHOR: Kharisov, Sh. Kh.; Sakharova, R. V.; Abuzarov, Yu. Sh.

30

8

ORG: Kazan' Veterinary Institute (Kazanskiy veterinarnyy institut)

TITLE: Aerogenic method of immunising cattle against brucellosis

SOURCE: Veterinariya, no. 2, 1966, 37-39

TOPIC TAGS: immunization, brucellosis, immunity, commercial animal, vaccine

ABSTRACT: The authors conducted a comparative study of the antigenic and immunogenic properties of Brucella bovis vaccines administered by the aerogenic and subcutaneous methods. The aerogenic method (dosage: 32.4 billion microbe bodies) was harmless for young cattle and produced immunity as stable as that of the subcutaneous method. With both methods immunity was less durable with Strain 82 than with Strain 19. The aerogenic method can be used to vaccinate cattle in sheds if cracks are stopped up and a concentration of vaccine is created that allows the animals to breathe in 32-35 billion microbe bodies in 45 minutes of exposure. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 JC

UDC: 619.616.981.42-085-37:636.2

L 41025-66 EWT(m)/T/EWP(w)/ETI/EWP(t) IJP(c) JD/HW/GD
ACC NR: AT6009601 (N) SOURCE CODE: UR/0000/65/000/000/0112/0119

AUTHOR: Dekhtyar, I. Ya.; Mikhalenkov, V. S.; Sakharova, S. G.

ORG: Institute of Metal Physics, AN UkrSSR (Institut metallofiziki AN UkrSSR)

TITLE: Effect of packing defects on the spectra of annihilation of positrons with electrons
in nickel-copper alloys

SOURCE: AN UkrSSR. Fizicheskaya priroda khrupkogo razrusheniya metallov (Physical
nature of brittle failure of metals). Kiev, Izd-vo Naukova dumka, 1965, 112-119

TOPIC TAGS: lattice defect, particle annihilation, positron, electron, nickel base alloy,
copper alloy

ABSTRACT: So far no direct experimental findings have been obtained on the effect of packing
defects on the energy spectrum of electrons. To fill this gap, the authors investigated the
variation of this spectrum by the method of the annihilation of positrons with electrons, since
this method provides information on the effect of plastic deformation on the energy spectrum
of electrons. Pure Ni as well as its alloys with 10, 20 and 30% Cu were investigated (as the
Cu content increases to 30%, the energy of the packing defects in these alloys decreases al-

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most three times), proceeding from the premise that, given an identical degree of deformation ($\sim 80\%$ in this case) of the specimens of the alloys investigated, the density of packing defects will be the higher the greater is the probability \propto of their formation. The specimens were deformed by rolling. Curves of the angular distribution of γ -quanta during annihilation of positrons with electrons in the investigated alloys in vacuum-annealed (900°C for 3 hr) and deformed states were plotted with the aid of a shielded-emitter unit. The positron source was the isotope Na-22 (activity 3 μ curies). Findings: the maximum variations in the annihilation spectra were recorded for the alloy with the greatest probability of formation of packing defects and the lowest energy of packing defects, i.e. for the alloy with 30% Cu. For the deformed specimens the curve of angular distribution of γ -quanta is steeper than for the annealed specimens. This means that, since most of the annihilation acts take place on d-electrons, (and thus the density of occupied states in the d-band increases), the mean electron momentum in the d-shell decreases for specimens in deformed state. The formation of a packing defect, with its attendant decrease in the mean electron momentum in the d-band, must lead to an increase in the maximum annihilation rate; this decrease is also associated with the decrease in the effective mass of electrons. This project is the first of a series devoted to the investigation of the relationship between the electron structure of alloys and packing defects.
Orig. art. has: 3 figures, 3 formulas.

SUB CODE: 20, 13, 11/ SUBM DATE: 12Oct64/ ORIG REF: 001/ OTH REF: 006

Card 2/2 hs

L 41713..66 EWT(m)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/HW/JG
ACC NR: AP6019528 (N) SOURCE CODE: UR/0020/66/168/004/0785/0787

44

43

B

AUTHOR: Dekhtyar, I. Ya.; Mikhalekov, V. S.; Sakharova, S. G.

ORG: Institute of Metal Physics, Academy of Sciences UkrSSR (Institut metallofiziki
Akademii nauk UkrSSR)

TITLE: Annihilation of positrons by electrons in plastically deformed metals with
bcc lattice

SOURCE: AN SSSR. Doklady, v. 168, no. 4, 1966, 785-787

TOPIC TAGS: particle annihilation, electron positron pair, electron spectrum, de-
formed metal, plastic deformation, crystal dislocation phenomenon, crystal defect

ABSTRACT: This is a continuation of earlier work (DAN v. 156, 795, 1965) where it
was shown that an investigation of annihilation spectra in plastically deformed
metals discloses changes in the electron energy spectrum. The present article re-
ports results obtained for Ta, Nb, Fe, and Fe + 0.63% Al and Fe + 1.08% Al solid
solutions. The procedure used to obtain the annihilation spectra was described
earlier (Vopr. fiz. met. i metallovedeniya, no. 12, 46, 1961). The apparatus was
modified to provide accumulation of larger statistical material. The angular distri-
bution of the annihilation photons was plotted first for the stressed and then for
the annealed material. The stress was produced by rolling in two mutually perpen-
dicular directions and the strain was 75-80% in all samples. The results indicate
that the s- and d-electrons become redistributed in the distortion field around the

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UDC: 539.21

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dislocations. Proof that the observed change in shape of the annihilation spectra is due to dislocations and not to point defects is the fact that annealing demonstrates these changes to occur at temperatures corresponding to intense dislocation. The elastic properties of the metal govern the maximum polarization, the excess dislocation charge, and the relative change of the annihilation rates, so that the measurement of the spectra yields new data on the electronic nature of defects of the dislocation type. As in the earlier work, the maximum intensity of the spectrum is increased by the deformation, but the half-width of the annihilation curve decreases. Alloying with aluminum, by affecting the stacking-fault energy, increases the polarization, but there are not enough data to explain this fact. Nor are the data sufficient to explain the specific features of the different crystal structures and their relation to the annihilation spectra. This report was presented by Academician G. V. Kurdyumov 11 September 1965. Orig. art. has: 2 figures, 5 formulas, and 1 table.

SUB CODE: 20/ SUBM DATE: 31Aug65/ ORIG REF: 004/ OTH REF: 001

Cord 2/2-10

SAKHAROVA, S.

(V.)

"Electron Microscope Investigation of Smoke Deposits," Iz. Ak. Nauk SSR, Otdel Khim. Nauk, No. 5, 1946; Institute of Physical Chemistry, Academy of Sciences of the USSR. -1946-. Also in Acta Physico chomica USSR, 21, No. 3, 1946.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0

SAKHAROVA, S. V.

"Electron Microscopic Structure of Fresh Precipitate From a Solution", Iz. Ak. Nauk
SSSR, Otdel. Khim. Nauk. 2, 1948. Inst. Phys. Chem., Acad. Sci.-c.1949-

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0"

BABIN, F., dots.; SAKHAROVA, T., assistent

Use of chlorotetracycline for extending the storage life of chilled
fish fillet. Khol.tekh. 37 no.4:35-37 Jl-Ag '60. (MIRA 13:11)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlen-
nosti (for Babin). 2. Leningradskiy institut sovetskoy torgovli
im. F.Engel'sa (for Sakharova).
(Fish fillets--Storage) (Tetracycline)

TITOV, N.; CHOGOVADZE, Sh.; MISHCHUK, Ye.; SAKHAROVA, T.

Comparative evaluation of vegetables dried under plus and minus temperatures. Sov. torg. 35 no.2:37-38 F '61. (MIRA 14:3)

1. Sotrudniki Insituta sovetskoy torgovli imeni Fr. Engel'sa,
Leningrad.
(Vegetables, Dried)

SAKHAROVA, T.A.

Discussion of the collected work "I.P.Pavlov's theories and the philosophical problems of psychology" (in the Institute of Philosophy). Vest. AN SSSR 23 no.5:79-82 My '53. (MLRA 6:7)
(Psychology, Physiological)

GERASIMOV, M.A.; KISHKOVSKIY, Z.N.; SAKHAROVA, T.A.; KOSSOBUDSKAYA,
N.S.; ADAMSON, N.F., otv. za vyp.; LANKAU, Ye.P., otv. za
vyp.; MANVELOVA, Ye.S., tekhn. red.

[Thermal processing of Moldavian wines] Termicheskaiia ob-
rabotka moldavskikh vin. Moskva, TSentr. in-t nauchno-
tekhn. informatsii pishchevoi promyshl., 1963. 14 p.
(MIRA 17:4)

MASTRYUKOVA, T.A.; SAKHAROVA, T.B.; KABACHNIK, M.I.

Thin-layer chromatography of organothiophosphorus compounds.
Izv. AN SSSR. Ser. khim. no.12:2211-2213 D '63.

(MIRA 17:1)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

MASTRYUKOVA, T.A.; SAKHAROVA, T.B.; KABACHNIK, M.I.

Reactivity of thio acid salts of phosphorus. Part 4: Reaction of ammonium diethyl phosphate with dichloroethene. Zhur. ob. khim. 34 no.1: 94-98 Ja '64. (MIRA 17:3)

SIVOKH, T.P., Cand.Tech.Sci---(dis) "Geo-analytical method

~~describing~~ characteristics of filtering attenuation of bridge

filters of lower grades." L'vov, 1951. 10 pp with graphs (Min of Higher

Education USSR. L'vov Pol.Tech.Inst), 130 copies (KL,45-53, 148)

-102-

SAKHAROVA, T.M.

Effect of bridge-filter parameters on frequency characteristics of
their effective damping. Izv. vys. ucheb. zav.; radiotekh. no.1:
89-94 Ja-F '58. (MIRA 11:4)

1. Rekomendovana kafedroy teoreticheskoy radiotekhniki L'vovskogo
politekhnicheskogo instituta.
(Electric filters)

06351
SOV/142-2-4-4/26

9 (2)

AUTHOR: Sakharova, T.M.

TITLE: The Problem of Converting Bridge Circuits of Electric Filters to RC Filter Circuits

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1959, Vol 2, Nr 4, pp 414-418 (USSR)

ABSTRACT: The author describes a method of converting an electrical bridge filter circuit to an equivalent RC circuit using the data of the control frequencies and the parameters m and n. Bridge filter circuits may be calculated by given frequency characteristics since the impedance Z_c and the wave propagation constant g are independent from each other. This peculiarity of bridge filters facilitated the development of a graphic analytic method of calculating the frequency characteristic of their effective attenuation, whereby the calculation were shortened to a considerable extent. Bridge circuits are not always desirable because of certain disadvantages. However, the calculation of the frequency

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06351
SOV/142-2-4-4/26

The Problem of Converting Bridge Circuits of Electric Filters to
RC Filter Circuits

characteristics of the effective attenuation of RC filters requires a considerable amount of time according to the method of S.S. Kogan Ref 27. The author recommends performing the calculation of the frequency characteristic of the effective attenuation of the filters according to the graphic analytic method which she described in Ref 17. Then, the conversion of the bridge filter circuit to an RC filter circuit is performed according to the established control frequencies and the parameters m and n, ie. the RC filter circuit elements are calculated directly whereby the calculation of the bridge filter circuit elements is avoided. The circuit diagram in Fig 6 shows an RC filter circuit which was obtained as a result of such a conversion. The publication of this article was recommended by the Department of Theoretical Radio Engineering of the L'vovskiy politekhnicheskiy institut (L'vov Polytechnic Institute). There are 6 circuit diagrams and 4 references, 3

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06351

SOV/142-2-4-4/26

The Problem of Converting Bridge Circuits of Electric Filters to
RC Filter Circuits

of which are Soviet and 1 American.

SUBMITTED: December 15, 1958

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PARIKOZHKA, I.A.; PUGACH, A.B.. Prinimali uchastiye: PASHCHENKO, Z.S.;
FURMAN, I.I.; TRUSKALOV, N.P.; SHEVCHENKO, A.Ye.; SAKHAROVA,
T.M.; TROKHIMA, Zh.G.; LEVINOV, K.G.; YAKOVICH, A.Ye.. SALITAN,
L.S., red.; SHEFER, G.I., tekhn.red.

[Manual on electric measurements of long-distance communication
lines] Rukovodstvo po elektricheskim izmereniyam mezhdugorodnykh
linii sviazi. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i
radio, 1960. 194 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Glavnaya upravleniya mezhdugorodnoy
telefonno-telegrafnoy sviazi. 2. Kyivskoye otdeleniye TSentral'-
nogo nauchno-issledovatel'skogo instituta sviazi (for Parikozhka,
Pugach, Pashchenko, Furman, Truskalov, Shevchenko, Sakharova,
Trokhina). 3. TSentral'nyy nauchno-issledovatel'skiy institut
sviazi (for Levinov, Shvartzman). 4. UMMKS (for Yakovich).

(Telecommunication) (Electric measurements)

SAKHAROVA, T.M., inzh., SHEVCHENKO, A.Ye., inzh.

Planned electric measurements long-distance in communication cables. Vest. sviazi 20 no.4:28-29 Ap '60.
(MIRA 13:7)

1. Kiyevskoye otdeleniye TSentral'nogo nauchno-issledovatel'skogo instituta svyazi.
(Electric lines) (Electric measurements)

SAKHAROVA, T.M., kand.tekhn.nauk; GIZETULO, V.A., inzh.; GONTA, V.I.,
inzh.

Communication equipment for service personnel with selective
ringing. Vest. sviazi 21 no.6:9-11 Je '61. (MIRA 14:9)

1. Kiyevskoye otделение TSentral'nogo nauchno-issledovatel'-
skogo instituta svyazi Ministerstva svyazi SSSR (for Gizetulo,
Gonta).

(Telephone—Communication systems)

SAKHAROVA, T.M.

Conversion of the bridge networks of electrical filters to ladder-type circuits. Elektrosviaz' 16 no.6:48-60 Je '62. (MIRA 15:6)
(Radio filters) (Electric filters) (Bridge circuits)

SAKHAROVA, T.M., kand.tekhn.nauk; KHODORKOVSKIY, N.A.

Norms on crosstalk attenuation in long-distance low-frequency telephone cables. Vest. sviazi 22 no.9:9 S '62. (MIRA 15:9)

1. Starshiy inzh. Kiyevskogo otdeleniya TSentral'nogo nauchno-issledovatel'skogo instituta svyazi Ministerstva svyazi SSSR (for Khodorkovskiy).

(Telephone lines)

SAKHAROVA, T.M., kand. tekhn. nauk

Measures for improving the safety features of networks in
low-voltage cables with star structure. Vest. sviazi 23
no.8:13-14 Ag '63. (MIRA 16:11)

1. Kiyevskoye otdeleniye Tsentral'nogo nauchno-issledo-
vatel'skogo instituta svyazi Ministerstva svyazi SSSR.

SAKHAROVA, T. N., Cand Tech Sci -- "Seach for methods of
increasing the duration of ^{storage of} sterilized refrigerated fish fillet."
Mos, 1961. (Min of Trade RSFSR. Mos Order of Labor Red
Banner Inst of Nat Econ ^{and Only} im G. V. Plekhanov) (KL, 8-61, 249)

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KOVALEV, N.I.; SAKHAROVA, T.N.

Prolongation of the periods of preservation of jellied meat products. Vop. pit 21 no.4:81-82 J1-Ag '62. (MIRA 15:12)

1. Iz kafedry tekhnologii pishchi (zav. V.N.Semenov) i laboratorii mikrobiologii (zav. F.V.Khetaguрова) Leningradskogo instituta sovetskoy torgovli.

(MEAT—PRESERVATION)

PITOV, N.N.; SAKHAROVA, T.M.

Comparative evaluation of sea kale dried by various methods. Vop.
pit. 24 no.2:87-98 Mr-Ap '65.

MIRA 18:8)

1. Kafedra tovarovedeniya prodevol'stvennykh tovarov (zav. --
prof. A.M. Malkov) i kafedra tekhnicheskii prigotovleniya pishchevi
(zav. - prof. I.Ye. Sadovyy) Leningradskogo instituta sovetskoy
torgovli.

SAKHOVA, T.S.

Effect of foliar feeding with boron and manganese on the yield of
clover seed. Zemledelie 4 no.5:124-125 My '56. (MLRA 9:8)
(Clover) (Plants, Effect of boron on) (Plants, Effect of
manganese on)

SAKHAROVA, T.S.

Dynamics of plastic substances and winter hardiness of clover
as related to the conditions of phosphorus and potassium nutri-
tion. Fiziol.rast. 6 no.2:223-226 Mr-Apr '59. (MIRA 12:5)

1. L'vov Pedagogical Institute, Lvov.
(Clover--Fertilizers and manures)
(Plants--Frost resistance)

SAKHAROVA, T. V.

Sakharova, T. V. - "On the study of the digestive tract of hoofed and carnivorous mammals," Trudy Mosk. zooparka, Vol. IV, 1949, p. 100-31

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

S/196/61/000/006/002/014
E073/E535

AUTHORS: Zakharov, V.A., Nadezhina, G.N., Sakharova, V.I.

TITLE: Variability of the physico-mechanical and electrical insulation properties of some pressed materials under the effect of temperature and other factors (humidity, fuel, oil)

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, 1961, No.6, p.17, abstract 6B85. (Sb. Steklotekstolity i drugiye konstrukts. plastiki, M., Oborongiz, 1960, 139-168)

TEXT: The resistance to heating (referred to by the author as "thermal stability") of glass, asbestos fibre and powdery plastic materials of the grades АГ-4 (AG-4), КМС-9 (KMS-9), ТВФ-2 (TVFE-2), К41-5, КМК-5, КМК-218, КМК-9 and В4-70 (V4-70) were investigated. Data are presented on the basic properties of these materials, describing the method of testing and giving data on the influence of elevated temperatures on the mechanical and electrical insulation properties of pressed materials (PM). КО-resin base PM have a mechanical strength which is lower than that of similar

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organic resin base materials, both in the initial state and after exposure to elevated temperatures. Long duration exposure to elevated temperatures, which does not cause an appreciable destruction of the binder and a sharp reduction in the mechanical strength, leads to some increase in the electrical insulation properties, particularly $t_{g\delta}$, whereby long duration heating of AG-4, KMS-9 and K41-5 reduces the resistance to humidity of these PM due to the formation of porosities. The permissible operating temperature of the PM under investigation is usually determined on the basis of the drop in their mechanical strength and the loss in weight and not on the basis of their electrical insulation properties. For organic resin-base (including modified KO-products) asbo- and glassfibre PM, this temperature should not exceed 200-250°C and for KO-resin base PM it should not exceed 300-350°C. All asbo- and glassfibre PM are able to withstand short duration effects of higher temperatures. The materials B4-7C (VCh-70) can operate over long periods at temperatures not exceeding 175°C, whilst KMK-9 can operate at 200-250°C. The fuel T-1 and the oil 36/1 does not show any appreciable influence on the

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Variability of the physico-mech... S/196/61/000/006/002/014
E073/E535

mechanical properties of AG-4 and VCh-70 at temperatures up to 150°C; these materials are suitable for operation under tropical conditions, although a drop in the electrical insulation properties was observed for the material AG-4. 15 references.

Abstracted by A. Magidson.

[Abstractor's Note: Complete translation.]

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"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0

SHIRKOVSKIY, A.I.; LATONOV, V.V.; SAKHAROVA, V.K.

Effect of reservoir exploitation conditions on the diameter of
a producing well (casing string) and the gas transportation
system. Trudy MINKHiGP no.48:207-217 '64.

(MIRA 18:3)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0"

SHAKHAROV, V. M.,
DEMESHHEVA, G.A.; IVANCHIKOVA, E.I.; KRIVOSHAPKIN, M.A.; LEYCHIK, V.M.;
OVSYANKINA, V.I.; FEOKTISTOVA, V.P.; TSINMAN, M.Z.; BEKKULOVA, S.N.;
SUBKHANBERDIYA, K.Kh.; RUBAKOV, P.I., laureat Stalinskoy premii,
spetsial'nyy redaktor; BALANINA, O.V., kandidat sel'skokhozyaystven-
nykh nauk, spetsial'nyy redaktor; SAKHAROVA, V.M., spetsial'nyy
redaktor; KOSENKO, V.V., spetsial'nyy redaktor; ZHIZNEVSKIY, F.V.,
otvetstvennyy redaktor; BURLACHENKO, L.A., redaktor; ALFEROVA, P.V.,
tekhnicheskiy redaktor

[Experience of agricultural leaders of Kazakhstan; an annotated
bibliography] Opyt peredovikov sel'skogo khoziaistva Kazakhskoi SSR;
annotirovannyi ukazatel' literatury. Alma-Ata, 1955. 290 p. (MLRA 9:12)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. TSentral'naya nauchnaya
biblioteka. 2. TSentral'naya nauchnaya biblioteka Akademii nauk
Kazakhskoi SSR. (for Demesheva, Ivanchikova, Krivoshapkin, Leychik,
Ovsyankina, Feoktistova, Tsinman)
(Bibliography--Kazakhstan--Agriculture)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0

POMOSOV, A.V.; SAKHAROVA, V.M.; Prinimali uchastiye: GOLIKOV, N.A.;
SOBOLEVA, L.L.; FIKS-SHIMEL', R.V.; LEBEDKIN, A.A.

Balance of the voltage of cell in producing powdered copper.
Trudy Ural. politekh. inst. no.94:65-69 '60. (MIRA 15:6)
(Powder metallurgy) (Copper)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0"

GRANOVSAYA, N.N.; SAKHAROVA, V.M.

Calcified uni-camerate echinococcosis of the femur. Vest. rent.
i rad. 38 no.5:70 S-0'63 (MIRA 16:12)

1. Iz kafedry rentgenologii i radiologii Krymskogo meditsinskogo instituta i rentgenovskogo otdeleniya Krymskoy oblastnoy bol'nitsy.

ph.3

PHASE I BOOK EXPLOITATION

SOV/5511

Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti.
Kiyevskoye oblastnoye pravleniye.

Metallovedeniye i termicheskaya obrabotka (Physical Metallurgy and Heat Treatment of Metals) Moscow, Mashgiz, 1961. 336 p. Errata slip inserted. 5,000 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov UkrSSR. Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Kiyevskoye oblastnoye pravleniye.

Editorial Board: M. P. Braun, Doctor of Technical Sciences, I. Ya. Dekhtyar, Doctor of Technical Sciences, D. A. Draygor, Doctor of Technical Sciences, I. S. Kamenichnyye, Engineer, Ye. A. Markovskiy, Candidate of Technical Sciences, V. G. Permyakov, Doctor of Technical Sciences, and A. V. Chernovol, Candidate of Technical Sciences; Ed.: M. S. Soroka; Tech. Ed.: M. S. Gornostaypol'skaya; Chief Ed., Mashgiz (Southern Dept.): V. K. Serdyuk, Engineer.

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Physical Metallurgy. (Cont.)

SOV/5511

PURPOSE: This collection of articles is intended for scientific workers and technical personnel of research institutes, plants, and schools of higher technical education.

COVERAGE: The collection contains papers presented at a convention held in Kiyev on problems of physical metallurgy and methods of the heat treatment of metals applied in the machine industry. Phase transformations in metals and alloys are discussed, and results of investigations conducted to ascertain the effect of heat treatment on the quality of metal are analyzed. The possibility of obtaining metals with given mechanical properties is discussed, as are problems of steel brittleness. The collection includes papers dealing with kinetics of transformation, heat treatment, and properties of cast iron. No personalities are mentioned. Articles are accompanied by references, mostly Soviet.

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Engineer, and B. N. Yakovlev (Gor'kiy). ~~Transformations~~
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Baranov, S. M., Doctor of Technical Sciences, Professor (Leningrad). Effect of Silicon Monoxide on the Properties of Steel

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Physical Metallurgy. (Cont.)

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mation of Graphitization Centers and Special Features of
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Card 9/10

Physical Metallurgy. (Cont.)

SOV/5511

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302

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Treatment on the Transformation of White Tin Into Gray
Tin

317

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Card 10/10

VK/wrc/os
8/26/61

SAKHAROVA, V.S.

LATUSIK, I. I., Prof; SAKHAROVA, V. S.

"The Reduction of Dehydroascorbic Acid under the Conditions of the
Animal Organism."

Vestnik venerologii i dermatologii (Bulletin of Venereology Dermatology),
No 1 January- February 1954 (Wiemper), Moscow.

SAKHAROVA, V. S., Cand Biol Sci -- (diss) "On biochemical transformations of dehydroascorbic acid in the skin."

[Kazan'], 1957. 12 pp (Kazan' Vet Inst im N. E. Bauman),
150 copies (KL,)1-58, 117)

BATUNIN, M.P.; GLAVINSKAYA, T.A.; SAKHAROVA, V.S.

Effect of external β -irradiation on the metabolism of thiamine,
nicotinic acid and transaminase. Med. rad. 10 no.1:62-65 Ja '65.
(MIRA 18:7)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - prof. M.P.
Batunin) Gor'kovskogo meditsinskogo instituta imeni Kirova i
Gor'kovskiy nauchno-issledovatel'skiy kozhno-venerologicheskiy
institut.

~~SA~~ SAKHAROV, V.I.

NAME & BOOK REPOSITORY: 507/922

Arenin, Yu.D., ed., *Guidance of Technical Sciences Stabilizability's inorganic Construction Plastics: shornik sastoy (Glass, Ceramics and Other Construction Plastics Collection or Articles)*. Moscow, Chernogolovka, 1960. 167 p. Errata slip inserted. 71/90 copies printed.

Ed. of Publishing House: I.A. Sverdlov; Tech. Ed.: E.I. Pukhov; Managing Ed.: A.I. Zayernaya, Engineer.

PURPOSE: This collection of articles is intended for personnel of plants, design offices, and scientific research institutes.

CONTENT: The collection of articles contains experimental data on glass technical and chemical plastics. The papers describe the physical, mechanical, and electrical characteristics of stabilized and compounded plastics under normal and high temperatures. Papers include the technological methods of manufacturing large-size articles. Glass cloth-bonded fillers used in electronics, the chemical and physical characteristics of some of the stabilized plastics with respect to bolts and riveted joints, and the dielectric properties of glass terracotta used in the semiconductor range. The changeability of physical, mechanical, and chemical stabilization of glass terracotta, prepared plastics of fibrous ceramics (K-1, K-12, DS-2), and pottery plastics (K-4, and K-7) under the effect of temperature is also covered. No personal articles are mentioned. Many are as references.

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Technical Fact for Building

Zayernaya, Yu.I., O.N. Radchenko, and V.I. Slobodcikov. *Changeability of the Physical, Mechanical, and Dielectric Properties of Some Plastics Materials Under the Effect of Temperature and Other Factors* (Relaxation, Vol., and Oil) 139

AVAILABLE: Library of Congress

7-2-NCP

Card 3/5

COUNTRY : USSR. G
 CATEGORY : Zoological Parasitology. Acridida and Insects as Disease Vectors. Insects.
 ABS. JOUR. : RZhBiol., No. 14, 1958, No. 62693.
 AUTHORS : Bibikova, V. A.; Sakhareva, V. V.
 INST. : Central-Asian Scientific Research Anti-Plague
 TITLE : Infestation Capacity of the Fleas Oropsylla silentiewi and the Effect of Its Repeated Blood-sucking and Content Temperature.
 ORIG. PUB. : Tr. Sredne-Asiatsk. n.-i. protivochum. in-ta, 1956, vyp. 2, 41-48.
 ABSTRACT : Conditions of the carrier's existence and its physiological state, connected with the conditions of existence, indicate a considerable influence on the multiplication and, consequently, on the formation of a "bloc" causing contagious bites. A series of experiments in the transmission of Plague -infection by the fleas *O. Silentiewi*, at various regimes of feeding conditions, on the infected animals.

CARD: 1/3

*Institute.

37

COUNTRY :
 CATEGORY :
 ABS. JOUR. : RZhBiol., No. 14, 1958, No. 62693. G
 AUTHOR :
 INST. :
 TITLE :
 ORIG. PUB. :
 ABSTRACT : with the application of methods of individual nutrition and intra-vitam observation after the "bloc" formation, indicated that the infection is transmitted only by the bloc-forming fleas and that the "bloc" formation in individuals, feeding daily, occurs approximately 3 times faster than in individuals, feeding with interruptions, in 7-8 days. Frequency of the formation of "blocs" in the fleas *O. silentiewi* at 10°, i.e. at a temperature more habitual for places of their natural

CARD: 2/3

VOSTRIKOVA, A.M.; SAKHAROVA, V.V.. Prinimali uchastiye: FISHKO, F.Ye.;
YEFIMOVA, N.M.; BABURSKAYA, Z.T.; POZDNYAKOVA, K.I.; SHCHEGLOVA,
K.D.; KUSTOVA, V.T.; POD"YACHIKH, P.G., red.; STRONGIN, V.L.,
red.; PYATAKOVA, N.D., tekhn.red.

[Public health in the U.S.S.R.; compendium of statistics] Zdravookhranenie v SSSR; statisticheskii sbornik. Moskva, Gosstatizdat TsSU SSSR, 1960. 271 p. (MIRA 13:8)

1. Russia (1923- U.S.S.R.) TSentral'noye statisticheskoye upravleniye.
2. Otdel statistiki naseleniya i zdravookhraneniya TSentral'nogo statisticheskogo upravleniya SSSR (for all except Strongin, Pyatakova).
3. Chlen Kollegii TSentral'nogo statisticheskogo upravleniya SSSR (for Pod"yachikh).

(PUBLIC HEALTH--STATISTICS)

SAKHAROVA, Ye., nauchnyy sotrudnik; CHERVYAKOV, V., nauchnyy sotrudnik

The first Air-Force pilots decorated with the Order of the Red
Banner. Av. i kosm. no.2:8-13 F '66. (MIRA 19:1)

1. TSentral'nyy gosudarstvennyy arkhiv Sovetskoy Armii.

TOYKKA, M.A., dotsent; SAKHAROVA, Ye.A.

Zinc content of soils in Sortavala District. Uch. zap. Petrozav.
gos. un. 12 no.3:92-96 '64. (MIRA 19:1).

1. Kafedra neorganicheskoy khimii Petrozavodskogo gosudarstvennogo
universiteta imeni O.V. Kuusinena.

MALAKHOVA, Valentina Rudol'fowna; TINYANSKIY, Ya.I., otd. red.;
SAKHAROVA, Ye.D., red.

[Operating characteristics of calculating machines and
their use in telecommunication enterprises] Ekspluatatsion-
naja kharakteristika schetnykh mashin i ikh primenenie v
khozjajstve sviazi. Moscow, "Sviaz", 1956. 33 p.
(MIAA 18:9)

TITCHENKO, Maksim Pavlovich; AYOLLO, Mikhail Gustavovich;
NEZHIVOY Nikolay Yakovlevich; PEROV, Viktor Yakovlevich;
ZAYTSEV, L.A., otv. red.; SAKHAROVA, Ye.D., red.

[Accounting and balance analysis in the communication
system] Bukhgalterskii uchet i analiz balansa v kho-
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[Mechanization of postal enterprises in Ivanovo Province]
Mekhanizatsiya predpriatii pochтовoi sviazi Ivanovskoi
oblasti. Moskva, Sviaz'izdat, 1963. 15 p.

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1. Nachal'nik oblastnogo upravleniya svyazi Ivanovskoy
oblasti (for Nefedov). 2. Zamestitel' nachal'nika oblast-
nogo upravleniya svyazi Ivanovskoy oblasti (for Karasev

SAKHAROVA, Ya.I.; LEBEDEVA, N.V.

Changes in the coarseness of alluvium along the length of the
Mzymta River in the Caucasus. Biul. MOIP.Otd. geol. 40 no. 6:
153 N-D '65
(MIRA 19:1)

1. Submitted May 4, 1965.

MAKKAVEYEV, N.I.; OSTANIN, V.Ye.; SAKHAROVA, Ye.I.

Geomorphological studies on which to base plans for improving
the navigable conditions of rivers; experience of the Northern
Dvina expedition of the Geography Department of Moscow University.
Vop.geog. no.52:100-104 '61. (MIRA 14:6)

(Rivers—Regulation)

SAKHAROVA, Ye.I.

Recent movements in the Angara sector of the Yenisey Ridge, Sov.
geol. no.62:48-60 '57. (MIRA 11:6)

1.Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Yenisey Ridge--Geology, Structural)

BOLOTINA, I.M.; RASTVOROVA, V.A.; SAKHAROVA, Ye.I.

Erosion "basins" on the Angara. Priroda 50 no.6:100-101 Je '61.
(MIRA 14:5)

1. Gidroproyekt, Moskva (for Bolotina). 2. Institut fiziki Zemli
imeni O.Yu.Schmidta AN SSSR, Moskva (for Rastvorova). 3. Moskovskiy
gosudarstvenny universitet imeni M.V.Lomonosova (for Sakharova).
(Angara Valley—Alluvial lands)

RASTVOROVA, V.A.; SAKHAROVA, Ye.I.; BOLOTINA, N.M.

Erosional cauldrons in the Angara Valley. Vest. Mosk. un. Ser. 5:Geog.
18 no.2:65-67 Mr-Ap '63. (MIRA 16:3)
(Angara Valley—Erosion)

SAKHAROVA, Ye.I.

Some observations on the schistosity of recent eolian sediments in
the Ob' Valley. Lit. i pol. iskop. no.3:105-113 My-Je '65.
(MIRA 18:10)

1. Moskovskiy gosudarstvennyy universitet, Moskva.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0

KIREEVA, N.V., MASHKOV, L.D.

Bedding of sand ridges in river channels. Acta Geologica Polonica
no.2:113-122 Mr.4p '65. (XERI 13-6)

I. Moskovskiy gosudarstvennyy universitet

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0"

EYGELES, M.A.; ANTONOVA, T.N.; KUENETSOV, V.P.; VOLOVA, M.L.;
SARHAROVA, Ye.P.; KOSYGIN, V.V.; KISLOV, A.V.; BALASHOVA,
G.I.

Simultaneous production of high-quality fluorite concentrates
from multicarbonate ores low in fluorite. TSvet. met. 37 no.11:
32-35, N° 164. (MIRA 18:4)

ACCESSION NR: AP4040691

S/0129/64/000/006/0028/0033

AUTHOR: Yur'yev, S. F.; Sakharova, Ye. V.

TITLE: Chemical conversion coating of Ti with an Ni-P anti-friction alloy

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 6, 1964, 28-33

TOPIC TAGS: chemical coating, titanium, nickel, phosphorus, anti friction alloys, sand blasting, H_2SO_4 , pickling, galling, galvanizing

ABSTRACT: The authors attempted to determine the optimal conditions under which a dispersion-hardening Ni-P alloy can be deposited on Ti for the improvement of anti-friction properties. The formation of an insoluble oxide film on the Ti surface, which would not permit thorough cohesion, was prevented by the formation of a dense Ti hydride film which increased the active surface because of its roughness, and dissociated at low temperatures. Sandblasting prior to pickling drastically improved the interaction of Ti with the working solution and increased the thickness of the Ni case,

Card

1/2

ACCESSION NR: AP4040691

particularly after a short pickling period. Sulfuric acid (spec. gravity 1,89) was found to be a most effective pickling agent at 80C. Optimal cohesion was observed after 2 hr holding at 400C and 2 min. pickling. Dry friction tests of 10-40 micron layers showed clearly improved anti-friction properties. In interconnecting two surfaces with a 20-40 micron Ni layer galling occurs only under a load of 180 to 200 kg/cm² and friction coefficients are 0.12 to 0.15 for 20 micron layers and 0.15 to 0.30 for 40 micron layers. By increasing the thickness galling occurs at 80 kg/cm². The coefficient of friction is 0.15 to 0.35. A further advantage of the Ni layer is the possibility of galvanizing. The orig. art. has: 4 figures.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NR REF SCV: 000

OTHER: 000

Card 2/2

FRONTAS'YEV, V.P.; SAKHAROVA, Yu.G.; SAKHAROVA, N.N.

Solubility in water of complex compounds of lanthanum, cerium,
praseodymium, neodymium, and samarium acetates with thiourea.
Zhur.neorg.khim. 10 no.8:1816-1821 Ag '65.

(MIRA 19:1)

1. Saratovskiy gosudarstvennyy universitet, kafedra neorganicheskoy
khimii. Submitted December 6, 1963.

~~SAKHAROVA-BILYKO, L.P., Cand Med Sci -- (diss) "Coagulability
of the blood in patients with disorder of the blood xi
circulation treated with digitalis, strophanthin,
mercusal." Kiev, 1958, 12 pp (Kiev Order of Labor
Red Banner Med Inst im A.A. Bogomolets) 120 copies
(KL, 23-58, 112-3)~~

- 150 -

SAKHAROVICH, Ya. I.

"Utilization of Hydroforecasts in the Planning and Use of the Water Flow Installations of Hydrostations." Cand Tech Sci, Central Inst of Weather Forecasting, Moscow, 1955. (KL, No 15, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

ACCESSION NR: AP4041778

S/0191/64/000/007/0021/0023

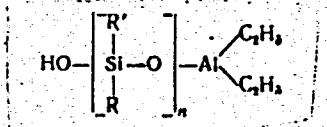
AUTHOR: Sakharovskaya, G. B.; Korneyev, N. N.; Nazarova, D. V.;
Sobolevskiy, M. V.

TITLE: Reaction of polyorganosiloxanediols with trialkylaluminum

SOURCE: Plasticheskiye massy*, no. 7, 1964, 21-23

TOPIC TAGS: polyorganosiloxanediol, triethylaluminum, polyorgano-
aluminumsiloxane, polyorganoaluminumsiloxane property

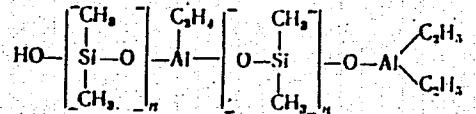
ABSTRACT: The reaction of polyorganosiloxanediols with triethylaluminum yields polyorganoaluminosiloxanes. When triethylaluminum and polydimethyl- or polymethylphenylsiloxanediols-1, n with a short chain ($n = 2:3:5$) are taken in a 1:1 molar ratio, triethylaluminum reacts with only one hydroxyl group of the diol to form compounds of the type:



Card 1/3

ACCESSION NR: AP4041778

In contrast, in the case of polyorganosiloxanediols with a long chain (e.g., n = 37) triethylaluminum (same molar ratio) reacts with two hydroxyl groups of the diol to form compounds of the type:



An equivalent amount of ethane is separated in the course of the reactions. Polyorganoaluminosiloxanes are viscous oily liquids soluble in hydrocarbons, ethers, and acetone. They exhibit a hydrolytic instability, owing to the presence of the $>\text{Al}-\text{R}$ group. Their hydrolytic stability can be increased by replacing the radical R by O-SiR₃ or another group resistant to hydrolysis. The synthesized polymers are reactive as a result of the presence of the OH group and can be used as intermediate products in the synthesis of new polyorganoelementosiloxanes. Orig. art. has: 2 tables.

Card: 2 / 3

ACCESSION NR: AP4041778

ASSOCIATION: none

SUBMITTED: 00

ATD PRESS: 3048

ENCL: 00

SUB CODE: GC

NO REF SOV: 003

OTHER: 003

Card: 3 / 3

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0

SAKMAROVSKAYA, G.B.; KORNEYEV, N.N.; POPOV, A.F.; LARIKOV, Ye.I.; ZHIGACH, A.F.

Reaction of trialkylaluminum with water. Zhur. ob. khim. 34 no.10:
3435-3438 O '64. (MIRA 17:11)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0"

L 52106-65 EPF(c)/EPR/EWP(j)/EWA(g)/EWT(m) PC-L/Pr-L/Ps-L RPL WW/RM

ACCESSION NR: AP5015237

IR/0286/65/000/009/0021/0021

AUTHORS: Sakharovskaya, G. B.; Korneyev, N. N.; Larikov, Ye. I.; Znigach, A. F.; Fedotova, R. I.

TITLE: A method for obtaining alkylalumoxanes, Class 12, No. 170493 30
B

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 21

TOPIC TAGS: alkylalumoxane, aluminium alkyl, alkyl ester

ABSTRACT: This Author Certificate presents a method for obtaining alkylalumoxanes by interacting aluminum alkyls with water. To simplify the process, the reaction is conducted in the presence of simple alkyl esters.

ASSOCIATION: none

SUBMITTED: 24Feb64

ENCL: 00

SUB CODE: OC

NO REF Sov: 000

OTHER: 000

Card 1/1 mB

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0

PEDOROV, A.M., kand.tekhn.nauk; SAKHAROVSKIY, I.A., inzh.

Vertical shaft sinking techniques in the Republic of
South Africa. Shakht.stroi. 9 no.11, 26-29 N '65.

(MIRA 1981)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0"

SAKharovskiy, L.T.

PLATE 1 BOOK EXPLANATION
SERV/651

Vsesoyuznyi astronomo-godocheskii obzhezhdeniye

Astronomicheskiy kalendar', 1960. (Astronomical Calendar, 1960) Moscow,
Print. ds., 1959. 351 p. (Series: AKA: Tsentrpoligraf; pressosennyi
obschestv. vyp. 65). 7,200 copies printed.

Ed.: L.M. Rabinin; Tech. Ed.: S.M. Abramov; Editorial Board: P.I.
Bashkin (Supr. Ed.), M.M. Dugayev, S.G. Kulagin, A.G. Masovich, F.P.
Petrov.

PURPOSE: The book is intended for astronomers and geophysicists and
physicists interested in astronomical phenomena and

CONTENTS: This yearbook on astronomy was compiled by a number of Soviet
scientists specializing in several different branches of astronomy.
The following persons participated in the work: L.D. Kondratenko, who
wrote the chapters on epicyclics of the Sun and Moon; Dzyar', who
wrote the chapters on physical coordinates of the Sun,
Moon, Mars and Jupiter, and the satellite of Jupiter and Saturn;
V.S. Lazarevsky, the chapter on epicyclics and heliocentric longitudes
of planets; V.G. Badalov, the chapters on oscillation of stars and
influence by the Moon; observations of occultations of stars and
planets; V.M. Bronkhamer, the chapters on comets; N.S. Yablon-
tova, sections on about Planets and G.B. Perov, the chapters on
variable stars. The appendices contain articles on recent develop-
ments and events in astronomy such as the launching of the first Soviet
space rocket, the 10th Congress of the International Astronomical
Association held in Moscow in August 1958, developments in astronomy
in 1958 during the IAU. There are 385 references, all Soviet.

Frank-Kamenetskii, A.A. Discussion on the Origin of Elements 237

Laytin, G.A. Symposium on the Herschprung-Russell Diagram 220

Shtcherbin, P.V. Electron Telescopes 247

*Bronishev, V.A. J. The Fifth Assembly of the Special Committee on the Inter- 232
national Geophysical Year

Masovich, A.G. Visit to Observatories in the United States 262

Sematin, N.N. The People's Observatory of the Planet Lenin. Lithograph 264

Sakharovskiy, L.T. "Eternal" Calendar with Table of Lunar Phases 292

*Perel', Yu.G. 350th Anniversary of Galileo's Discoveries With the Tele- 308
scope

*Perel', Yu.G. Andromedae in Soviet and World Astronomy in 1960 313

Bibliography (compiled by Yu.G. Perel')

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SAMAROVSKY, I.T.

Tables for determining the days of the week. Bul. V.G.
no.29:48-49 '61. (Bul. 14:1)

1. Novosibirskoye otdeleniye Vsesoyuznogo astronomico-geodesicheskogo
obschchestva.
(Calendar)

SAKHAROVSKIY, Mikhail Fedorovich, master-al'freyshchik (Leningrad); IOGANSEN, K.I., arkhitekter-khudozhhnik, dotsent, nauchnyy redaktor; ROTENBERG, A.S., redaktor izdatel'stva; PUL'KINA, Ye.A., tekhnicheskiy redaktor.

[The work of a master interior finish painter] Rabota mastera-al'freyshchika. Leningrad, Gos.izd-vo lit-ry po stroit. i arkhit., 1956. 31 p.
(MLRA 10:4)

(Decoration and ornament)

SAKHAROVSKIY, N.A., CHERKASHENINOV, V.I.

Preparation for prospecting and the filling-up of underground storage wells with liquefied petroleum gas. Gaz.prom. no.5:51-52 '63.
(MIRA 16:6)

(United States--Liquefied petroleum gas—Storage)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0

SAKHAROVSKIY, N.A.; CHERKASHENINOV, V.I.; GOLIBEV, V.L.

Foreign technology. Gaz. prom. 8 no.2:49-51 '63.

(MIRA 17:11)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0"

25.2000,18.3000

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SOV/130-60-3-3/23

RDP

AUTHOR: Maksimenko, N. P., Sakharskiy, A., Kartamyshev, N. I.

TITLE: Packing of Small and Large Bell Rods

PERIODICAL: Metallurg, 1960, Nr 3, p 4 (USSR)

ABSTRACT: In 1955 a simple design of packing rods of small and large bell was developed at Alchevsk Plant. This design consists of two detachable stuffing boxes for the large bell rod and one detachable stuffing box for the small bell rod (see Figure). In the new design there is no need for steam supply and the use of water cooling. There is 1 figure.

ASSOCIATION: Plant imeni Voroshilov (Zavod imeni Voroshilova)

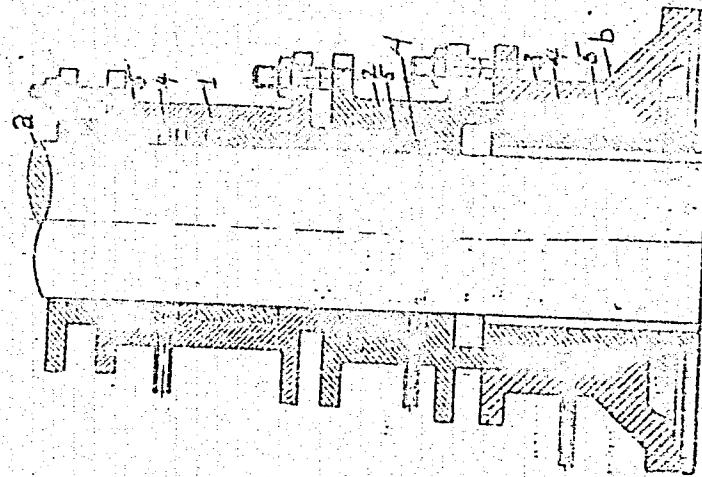
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Packing of Small and Large Bell Rods

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SOV/130-60-3-3/23



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Fig. 1 (Caption on Card 3/3)

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CIA-RDP86-00513R001446810007-0"

Packing of Small and Large Bell Rods

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SOV/130-60-3-3/23

Fig. Stuffing box packing for the rods of small and large bell for charging apparatus of blast furnace. (a) Rod of the large bell; (b) rod of the small bell; (1 and 2) detachable stuffing boxes for rod packing of large bell; (3) detachable stuffing box for rod packing of small bell; (4) lubricating ring ; (5) packing.

Card 3/3

SAKHAROVSKIY, N.A., inzh.; CHERKASHENINOV, V.I., inzh.

Mining operations in the construction of gas reservoirs [from "Gas" no.10, 1961; "Oil and Gas Journal," no.18, 1958, no.18, 1959]. Shakht. stroi. 6 no.3:26-28 Mr '62. (MIRA 15:3) (United States--Gas, Natural--Storage) (Mining engineering).

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0

SAKHAROVSKIY, N.A.; CHERKASHENINOV, V.I.; GOLUBEV, V.P.

Foreign technology. Gas. prom. 9 no. 6:43-45 '64.

(MIRA 17:8)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0"

SOV/91-58-2-10/31

AUTHOR:

Sakharskiy, V.F., Mechanic

TITLE:

A Device for Pressing the Pegs Used in Full-Out-Type Piping for Locomobiles (Prisposobleniye dlya opressovki shpilek vydvizhnykh trubnykh sistem lokomobiley)

PERIODICAL:

Energetik, 1958, Nr 2, p 16-17 (USSR)

ABSTRACT:

B.T. Skubchenko, master at a power plant, developed a new method to correctly prepare the pegs needed in the pull-out type of locomobile piping. The new system eliminates the necessity of pulling out the piping several times, because of the eventual lack of tightness. Tightness is tested before the pipes are lowered to their place and put to work. The new system directly concerns

Card 1/2

SOV/91-58-2-10/31

A Device for Pressing the Pegs Used in Pull-Out-Type Piping
for Locomobiles

only the LM-7 and LM-8 locomobiles, but can
easily be extended to use in all kinds of
locomobiles. There are 2 diagrams.

Card 2/2

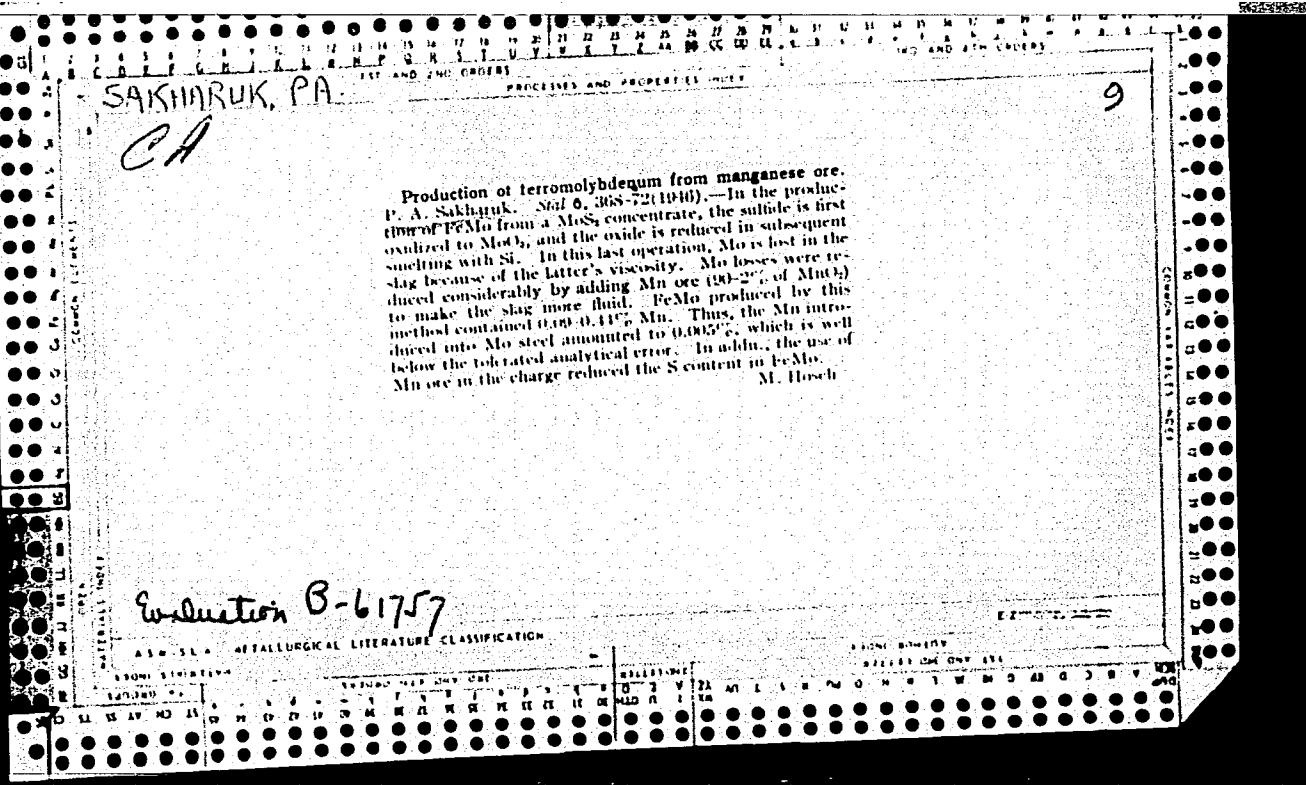
SALYARTSEVA, T. F., SVESHNIKOVA, N. P., KOKVIN, I. L., TULUKOVA, E. I.,
TERSKIKH, V. I.

Leptospirosis foci on filtration fields." p. 163

Deyateliye Soveshchaniye po parazitologicheskim problemam i
prirodnocchernym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference
on Parasitological Problems and Diseases with Natural Foci 22-29
October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences
USSR and Academy of Sciences USSR, No. 1 254pp.

Inst. of Epidemiology and Microbiology, AMS USSR/Moscow

and the Moscow Oblast Sanitary-Epidemiological Station



LEYKIN, V.Ye.; SAKHARUK, P.A.; GNYCHEV, S.M., kandidat tekhnicheskikh nauk,
redaktor.

[Electrometallurgy of steel and iron alloys] Elektrometallurgiya
stali i ferrosplavov. Moskva, Gos. nauchno-tekh. izd-vo lit-ry po
chernoi i tsvetnoi metallurgii, 1953. 639 p. (MLRA 7:6)
(Steel--Electrometallurgy) (Iron alloys--Electrometallurgy)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0

SAKHARUK, P.A.; KHAZANOVA, T.P.; GRUZIN, P.L.; TYUTYUNNIK, A.D.

Using radioisotopes to investigate the dephosphorization process
of pyrochloric concentrates. TSvet. met. 29 no.7:7-9 J1 '56.
(MLRA 9:10)

(Pyrochlore) (Radioisotopes--Industrial applications)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001446810007-0"

AUTHOR: Sakharuk, P. A., Cand. Tech. Sc. (TsNIIChM).

363

TITLE: Methods of production of medium-carbon ferrochromium.
(Puti proizvodstva sredneuglerodistogo ferrokroma).

PERIODICAL: "Stal'" (Steel), 1957, No.4, pp.326-328 (U.S.S.R.)

ABSTRACT: The following methods of production of medium-carbon ferrochromium are discussed: 1) refining of carbon ferrochromium by blowing with oxygen in a convertor; 2) mixing of low carbon ferrochromium obtained by silicon-thermal method using flux with carbon ferrochromium; 3) silicon-thermal method without flux using lump ore; 4) as 3 using fine ore and 5) refining carbon ferrochromium with lump ore. It is concluded that until method 1 is mastered, method 2 is the most convenient. The efficiency of this method can be further improved by the following measures: a) the use of 42-45% Si instead of 50% Si which will decrease power consumption for the production of the reducing agent; b) a decrease of slag basicity which will increase the output and lower the costs of the semi-product and c) an increase in the throughput of the furnaces. The comparison of the consumption of raw materials, chromium recovery and costs of producing 1 ton of medium carbon ferrochromium by various methods is given in Table 2. There are 2 tables and 3 references one of which is Russian.

SAKHARUK

✓ Radioactive indicators for the study of processes of de-phosphorizing pyrochlore concentrate. I. A. Sakhruk, T. P. Khazanova, P. L. Gruzin, and A. D. Vityumnik. Izv. Akad. Nauk SSSR, Ser. Khim., No. 7, p. 1700 (1957). Radioactive P dissolved in HNO₃ and neutralized with NaOH was added (a) to metallic Zn which had been treated with a soln. of apatite in 10% HCl, (b) to pyrochlore concentrate contg. 17% ZnO₂, and (c) to pyrochlore contg. 0.7% ZrO₂. In all cases about 65% of the activity was lost after the 3rd washing with hot, 90° water. On the other hand, 30-35% of the activity remained after 7 washings. Thus, while much of the P was adsorbed and could be removed by washing some remained as an insol. phosphate of Zr.

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SAKHARUK, P. A.

SAKHARUK, P. A.

LEONIDOV, N. K.

85(5) FILE I 2000 REFERENCE 80V/1957
 Atomizdat, Moscow. Soviet Metallurgy 1. Metalchemistry Information
 Bureau, Moscow, 1967-1957, t. 1 (Metallurgy of the USSR, 1957 - 1957, Vol. 1)
 Moscow, Atomizdat, 1958. 745 p., 30,000 copies printed.
 M. (Title page), I. P. Martin, Academician; Ed. (Inside book); O. V. Popov;
 Tech. Ed.; O. G. Zubayev.

CONTENTS: The book is intended for scientific workers and engineers in metallurgical plants and in the machine-building industry. It may also be used by students in advanced courses in metallurgical universities.

SYNOPSIS: This collection of articles covers extensively practical and theoretical developments in Soviet metallurgy during the last 10 years. The material deals with the discovery and development of the major ore deposits and the growth of the metal industry in various parts of the USSR. Research institutes, laboratories, their location, and the names of the scientists and engineers involved are listed. Many papers contain so many references and names of various personalities that it was considered beyond the scope of the contents of each article to list them. The authors claim that the processes, methods and theories described in this book reflect the most recent developments.

Card 1/22 In Soviet metallurgy.

Metallurgy of the USSR (Cont.)

80V/1957

Kinetic behavior of slag and metal has also been studied. The present general theory and supply are scientific achievements in physics and electronics to control and check steel-making processes by a fully automatic system on an industrial scale. There are 50 Soviet references.

Philippov, S. I. Development of the Science of the Kinetics of Steel Making

Processes in the USSR

It is stated that the study of metallurgical processes in the USSR is based on the classic principle of thermodynamics. The author gives numerous equations, formulas and graphs to illustrate his point. Some of these calculations enable certain regularities or oxidizing reactions. For general application of these formulas it is necessary first to obtain empirically the constants for the rate of the chemical reactions. There are 54 references; 21 Soviet, 7 English, and 3 German.

Brazgut, I. P. and I. A. Shabruk. The Technology of Producing Ferroalloys

A description is given of a number of ferroalloys currently produced in the USSR. The most important is said to be ferrosilicon which requires large amounts of electric power used in the ferromolybdenum. Other alloys

Metallurgy of the USSR (Cont.)

80V/1957

listed include ferrochromium, ferromanganese, ferrotitanium, ferromanganese and ferromolybdenum with over 90 percent molybdenum. As a source of titanium there is no mention of the use of vanadium. The locations of new non-ferrous metal deposits are listed. There are 40 references, 37 Soviet and 3 English.

Polyakov, S. A. Nonferrous Metallurgy Under the Soviet Regime 399
 The author gives a historical review of the development of the non-ferrous industry since the October Revolution. Production figures and reports of the Five Year Plans are quoted. The locations of new non-ferrous metal deposits are listed. There are 11 Soviet references.

Goloborodko, V. A. Concentration of Nonferrous Ores and Ores of New Metals 415
 Polyakov, a brief historical review of the development of the non-ferrous industry since the October Revolution. Production figures and reports of the Five Year Plans are quoted. The author discusses methods of concentration such as flotation, gravity separation, magnetic separation, etc. It is claimed that Soviet scientists have done a great deal of work on the theory of flotation based on the latest achievements in physical

Card 12/22

SAKHARUK, P.A.

PHASE I BOOK EXPLOITATION SOV/4756

Leykin, Veniamin Yefimovich, and Pavel Aleksandrovich Sakharuk

Elektrometallurgiya stali i ferrosplavov (Electrometallurgy of Steel and Ferroalloys) 2d ed., rev. Moscow, Metallurgizdat, 1960. 600 p.
Errata slip inserted. 6,200 copies printed.

Ed.: Ya. M. Bokshitskiy; Ed. of Publishing House: Ya. D. Rozentsveyg;
Tech. Ed.: V. V. Mikhaylova.

PURPOSE: This is a textbook for metallurgical tekhnikums, and may also be useful to middle-level technical personnel of steel and ferroalloy manufacturing plants.

COVERAGE: The authors review fundamentals of the theory of metallurgical processes and explain basic principles underlying the manufacture of steel and ferroalloys in electric furnaces. They describe various types of electric furnaces, such as arc, induction, and resistance furnaces, and outline their construction, equipment, and accessories. Modern techniques in the use of vacuum, oxygen blowing, continuous ingot casting of steel, etc., in the field of

Card 1/15

Electrometallurgy of Steel (Cont.)

SOV/4756

steel and ferroalloy metallurgy are discussed. The introduction and Parts II, III, IV, and V were written by V. Ye. Leykin, Parts I and VII by P. A. Sakharuk, and Parts VI and VIII and Ch. XV of Part VII by S. A. Morgulev. No personalities are mentioned. There are 12 references, all Soviet.

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Electrometallurgy of Steel (Cont.)

SOV/4756

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Card 10/15

SAKHARUK, P.A., kand.tekhn.nauk; DMITROVSKAYA, G.D., inzh.; GEYEV, O.V.,
inzh.

Decarbonization of ferrochromium by blowing oxygen in converters.
Stal' 21 no. 1:40-42 Ja '61. (MIRA 14:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy
metallurgii i Aktyubinskiy zavod ferrosplavov.
(Iron-chromium alloys--Metallurgy)